

GEORGIA INSTITUTE OF TECHNOLOGY  
OFFICE OF CONTRACT ADMINISTRATION  
SPONSORED PROJECT INITIATION

Date: October 11, 1977

no action  
OK  
OHL

Project Title: Industrial Energy Extension Program

Project No: A-2045

Project Director: Bill Studstill

Sponsor: Georgia Office of Planning and Budget

Agreement Period: From 8/1/77 Until 12/31/77

Type Agreement: Contract dtd. 8/1/77

Amount: \$233,324

Reports Required: Monthly Financial and Progress Reports.

Sponsor Contact Person (s):

Technical Matters

Contractual Matters

Mr. Wayne Parker  
Georgia Office of Planning and Budget  
270 Washington Street  
Atlanta, Georgia 30334

(thru OCA)

Defense Priority Rating:

Assigned to: Technology & Development Laboratory

(School/Laboratory)

COPIES TO:

Project Director  
Division Chief (EES)  
School/Laboratory Director  
Dean/Director-EES  
Accounting Office  
Procurement Office  
Security Coordinator (OCA) ✓  
Reports Coordinator (OCA)

Library, Technical Reports Section  
Office of Computing Services  
Director, Physical Plant  
EES Information Office  
Project File (OCA)  
Project Code (GTRI)  
Other EES R&D

GEORGIA INSTITUTE OF TECHNOLOGY  
OFFICE OF CONTRACT ADMINISTRATION  
SPONSORED PROJECT TERMINATION

Date: February 27, 1978

40 action  
off

Project Title: Industrial Energy Extension Program

Project No: A-2045

Project Director: Mr. Bill Studstill

Sponsor: Georgia Office of Planning and Budget

Effective Termination Date: 1/31/78

Clearance of Accounting Charges: 1/31/78

Grant/Contract Closeout Actions Remaining:

- ☒ Final Invoice and Closing Documents
- ☒ Final Fiscal Report
- ☐ Final Report of Inventions
- ☐ Govt. Property Inventory & Related Certificate
- ☐ Classified Material Certificate
- ☐ Other \_\_\_\_\_

Assigned to: Technology & Development Laboratory (School/Laboratory)

COPIES TO:

Project Director  
Division Chief (EES)  
School/Laboratory Director  
Dean/Director-EES  
Accounting Office  
Procurement Office  
Security Coordinator (OCA) ✓  
Reports Coordinator (OCA)

Library, Technical Reports Section  
Office of Computing Services  
Director, Physical Plant  
EES Information Office  
Project File (OCA)  
Project Code (GTRI)  
Other \_\_\_\_\_

and title page? Imperfect volumes delay return of binding. Thanks,  
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A-2045



## ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

September 8, 1977

Mr. Ed Bistany  
Georgia Office of Energy Resources  
Trinity-Washington Building  
270 Washington Street  
Atlanta, Georgia 30334

Subject: Monthly Progress Summary  
Letter for EES/GIT Research  
Project A-2045 for Period  
1 August 1977 through  
31 August 1977

Dear Mr. Bistany:

The overall objective of this project is to reduce energy consumption in Georgia. The goal is a 5% reduction of energy consumption for all users by 1980. The industrial sector is expected to account for the majority of this savings. To accomplish the program objective, Georgia Tech's Engineering Experiment Station will provide technical assistance to Georgia industry.

With the exception of secretarial support, the staff to conduct the project has been hired during this initial period. Sixteen staff members will be associated with the project; this represents slightly less than the equivalent of 13 full-time personnel. This includes 7 new staff members that have been hired during this report period. The staff list, with resumes, has been submitted to O.E.R. and verbal approval has been given. The project personnel list, with project time percentages, is attached.

During this report period, two coordination meetings have been held with O.E.R. We have completed the project organization chart, and it has been submitted to O.E.R. A copy of the organization chart is attached. O.E.R. has given verbal approval to this chart.

Several staff planning meetings have been held during this report period. Group coordinators have been assigned for each of the five major industry groups. Support personnel have been assigned to industry groups and have begun detailed project planning efforts. A literature search has been initiated and an effort is being made to compile energy conservation data by industry group for reference and hand-book-type use. Sources being searched include: Georgia Tech research, trade association and industry studies, and equipment manufacturers.

A draft of the audit data form was completed during this report period. Attention has been given to assure that this form fulfills the requirements as outlined in Federal Register, "Federal Energy Administration, Energy Audit Procedures, Part IV," dated June 29, 1977. When in final form, this form will be submitted to O.E.R. for approval.



Mr. Ed Bistany  
Page 2  
September 8, 1977

To accomplish the project goal, a good promotion and public relations effort is needed. Planning meetings have been held and the following are proposed for the project.

1. General Industry Letter - The purpose is to alert industry to the project and condition them for further contact. Plans are for this letter to come from the Governor. A draft has been prepared.
2. Program Brochure - This will be an informative, multiuse item. A format is being prepared.
3. Newsletter - Plans are for this to be a monthly or bimonthly item for the purpose of cultivating and maintaining an energy conservation awareness among industry.

All of the above items will be submitted to O.E.R. for review and approved before publishing.

During the next period, a detailed work plan will be completed. This plan will outline tasks, subtasks, time schedules, and deadlines for the project implementation. Also during the next period, criteria will be established for selecting plants for audit. The plant audit list should also be completed by the next report.

Respectfully submitted,

W. T. Studstill  
Program Coordinator

mpc

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J. L. Birchfield  
Program Director



# PROJECT PERSONNEL

1.	J.L. Birchfield, Program Director	<u>%</u> 20
2.	W.T. Studstill, Program Coordinator	100
3.	D.W. Wade, Research Engineer	100
4.	G.B. Curtis, Senior Research Engineer	70
5.	L. Moriarty, Research Engineer	100
6.	W. Moran - Research Engineer	100
7.	W.A. Hendrix - Research Engineer	100
8.	G. Soora - Assistant Research Engineer	100
9.	J.B. Shaw - Administrative Specialist	80
10.	Secretary	100
11.	Clerk-Typist	100
12.	M. Smith, Co-Op Student	100
13.	D. Brookstein, Assistant Prof. Text. Eng.	25
14.	F. Cook, Assistant Prof. Text. Eng.	25
15.	J. Muzzy, Associate Prof. Chem. Eng.	25
16.	J. Sommerfeld, Professor, Chem. Eng	<u>20</u>
	TOTAL	1265

Program Director  
Birchfield  
20%

Program Coordinator  
Studstill  
50%

OER

General Industry  
Co-ordinator  
Studstill  
(25%)

Food & Kindred  
Co-ordinator  
Wade 25%

Textiles  
Co-ordinator  
Brookstein 25%

Chemicals  
Co-ordinator  
Muzzy 25%

Stone & Clay  
Co-ordinator  
Soora 25%

Studstill	25%
Wade	50%
Curtis	25%
Moriarty	30%
Moran	25%
Shaw	18%
Secretary	20%
Typist	20%
Co-op	33 1/3%

Wade	25%
Soora	50%
Moran	25%
Curtis	20%
Shaw	16%
Secretary	20%
Typist	20%
Co-op	33 1/3%

Cook	25%
Hendrix	50%
Moriarty	20%
Shaw	15%
Secretary	20%
Typist	20%

Sommerfeld	20%
Hendrix	50%
Moriarty	50%
Shaw	16%
Secretary	20%
Typist	20%

Soora	25%
Moran	50%
Curtis	25%
Shaw	16%
Secretary	20%
Typist	20%
Co-op	33 1/3%



# ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

October 3, 1977

Georgia Office of Energy Resources  
Trinity-Washington Building  
270 Washington Street  
Atlanta, Georgia 30334

Attn: Mr. Ed Bistany

Subject: Industrial Energy Extension Program  
Monthly Progress Summary Report for  
EES/GIT Research Project A-2045 for  
Period 1 September 1977 through  
30 September 1977

Dear Mr. Bistany:

This summarizes activities on Research Project A-2045 for the period  
1 September 1977 through 30 September 1977.

## General

As of this date, all professional project staff members are on board and involved with project work. The only remaining position is that of Secretary. Several applicants have been interviewed during this report period.

Time has been spent during this report period with orientation of new staff members. A draft of "Policy and Guidelines" for the project was developed. A completion date of November 1 is expected.

Several planning meetings were held with project personnel and with O.E.R. personnel. Items discussed included: project promotion procedures, policy as to informing industry people as to O.E.R. project sponsorship, gaining cooperation from private consultants and the utilities, handling technical assistance requests from industry, etc.

A detailed work plan (Project Plan) has been completed and is attached for your review and approval. Subject to your approval, the format of this and subsequent reports will follow the tasks as listed on this Project Plan.

## Literature Search

The initial literature search task is on schedule. The major effort on this task should be completed before the next report period. Of course, this task will be continued, on a much reduced effort, throughout the project.



Audit Plant Criteria

Criteria have been developed for all five industry groups. These will be used as a basis for selecting representative plants for the audits.

Selection of Audit Plants

Lists of prospective audit plants have been completed for each industry group. These lists will now be screened for a working list. Trade associations have and will continue to be used in selecting plants for audits.

Prepare Audit Handbook

Using the results of the literature search, effort has already started for developing this handbook. This book will be utilized by plant auditors. It will contain procedural guidelines, technical reference material, list of consultants, etc. The initial handbook is expected to be completed by mid November. It will be updated, as necessary throughout the life of the project.

Auditor Training

Work has been performed during this period on planning the training program. It is scheduled for the two week period beginning October 10. Also plant visits for training purposes have been scheduled.

Energy Conservation Funds

A control form entitled "Request to Pursue Energy Conservation Funds" has been developed and delivered to you for approval. This will be used to seek approval to use project funds to seek outside funds for energy conservation research.

A partial list of federal funding sources has been developed.

Program Promotion

The delay in coordination with you has had some effect on other project efforts. A meeting was held with O.E.R. personnel during this period to discuss promotion details.

During this period, a list of trade associations was prepared. Effort has begun on contacting trade associations. An address was made at the semi-annual meeting of the Georgia Dairy Products Association where our program was promoted. Also, the program was presented to the Carpet and Rug Institute's Energy Subcommittee.

Drafts of mail-out letters and a news release have been delivered to you for approval. These will be issued when approved.

Effort was initiated this period on the design of a "logo". This will be used on all printed project material.

October 3, 1977

Plant Audit Form

A draft was developed this period and it was field tested by a plant visit. It is now being revised. A final edition is scheduled for completion by November 1.

Audit Procedures

A draft was developed. It was reviewed at several staff planning meetings. The completed item is expected by November 1.

Plant Audits

These are formally planned to begin in November. However, to test the audit form, an audit of a plant was initiated on September 21 with a plant visit. This audit is in progress.

Goals established as to the number of audits to be performed are: General Industry, 50; Food, 50; Textiles, 30; Chemical, 20; and Stone, 30.

Financial Statement

The statement of charges for the period August 1 to August 31, 1977 is attached.

Other

During this period we furnished corrections to the State Energy Plan as requested by F.E.A. through your office.

Respectfully submitted,

William T. Studstill  
Program Coordinator

WTS/rm

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R. L. Yobs  
Laboratory Director

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J. L. Birchfield  
Division Chief

## Exhibit C

### Financial Statement

Contractor: Georgia Institute of Technology

Month: 1 August 1977 to 31 August 1977

Object Class Categories	Current Month	Totals To-Date
I. Personnel	\$4,567.03	\$4,567.03
II. Fringe Benefits	0	0
III. Travel*	0	0
IV. Communications	0	0
V. Merit System Assessment	0	0
VI. Materials & Supplies	0	0
VII. Other (overhead)	<u>\$3,105.58</u>	<u>\$3,105.58</u>
Amount Requested for Reimbursement this Month	<u>\$7,672.61</u>	
Total Expenditures To-Date		<u>\$7,672.61</u>

\*Supporting documentation required, to include at least an itemized listing of costs submitted.

I certify that the above statement of services rendered, having been compiled from bonafide time, salary and overhead cost records maintained by the GEORGIA INSTITUTE OF TECHNOLOGY is true and correct to the best of my knowledge and belief; and that reimbursement for the particular services and products indicated above

(Cont'd.)



has not been received.

\_\_\_\_\_  
Title: Program Coordinator

REVIEWED, OFFICE OF PLANNING AND BUDGET:

Energy Office - by \_\_\_\_\_ Date \_\_\_\_\_

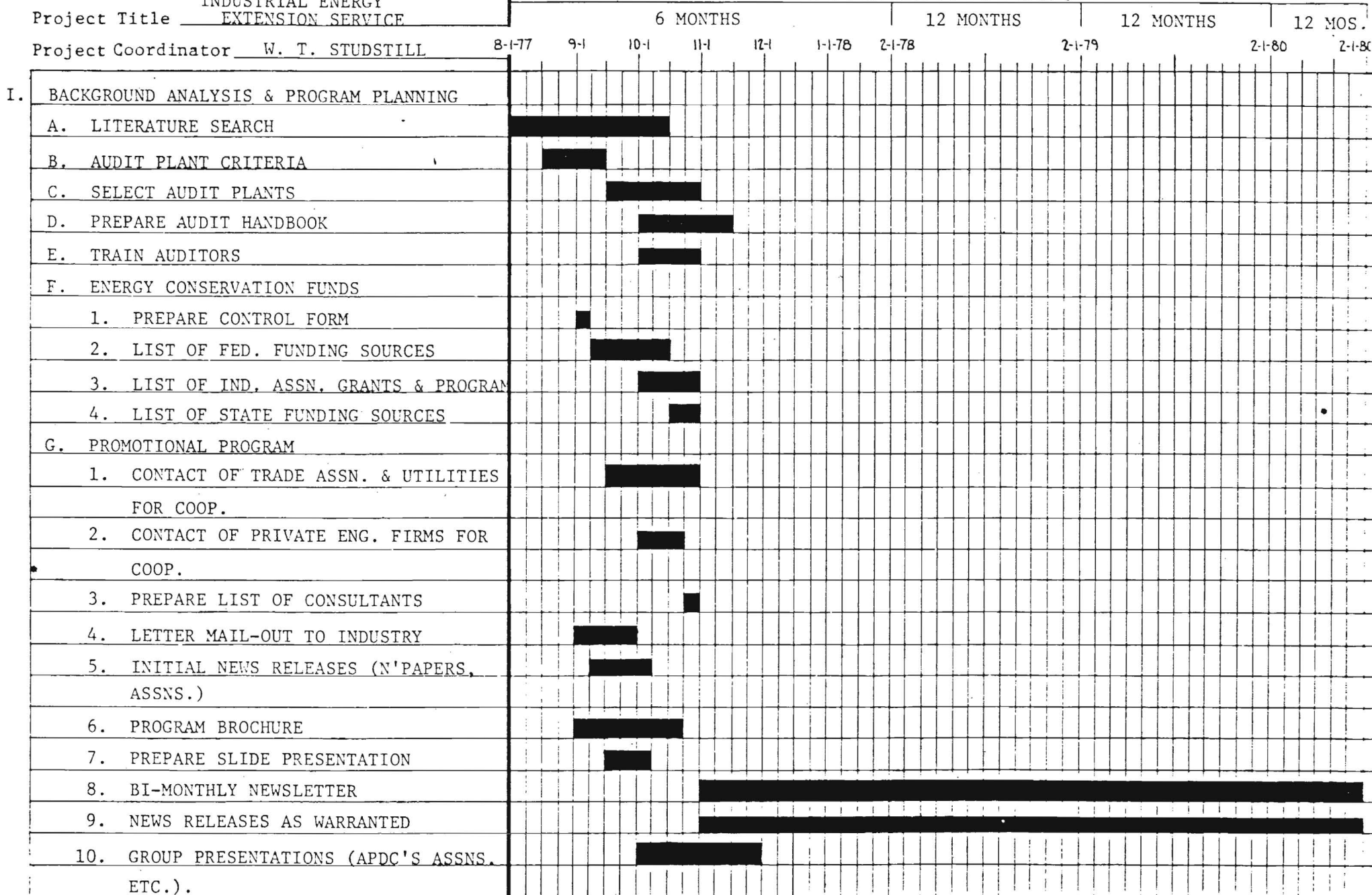
Administrative Office - by \_\_\_\_\_ Date \_\_\_\_\_

Project No. A-2045

Project Title INDUSTRIAL ENERGY  
EXTENSION SERVICE

Project Coordinator W. T. STUDSTILL

## PROJECT PLAN

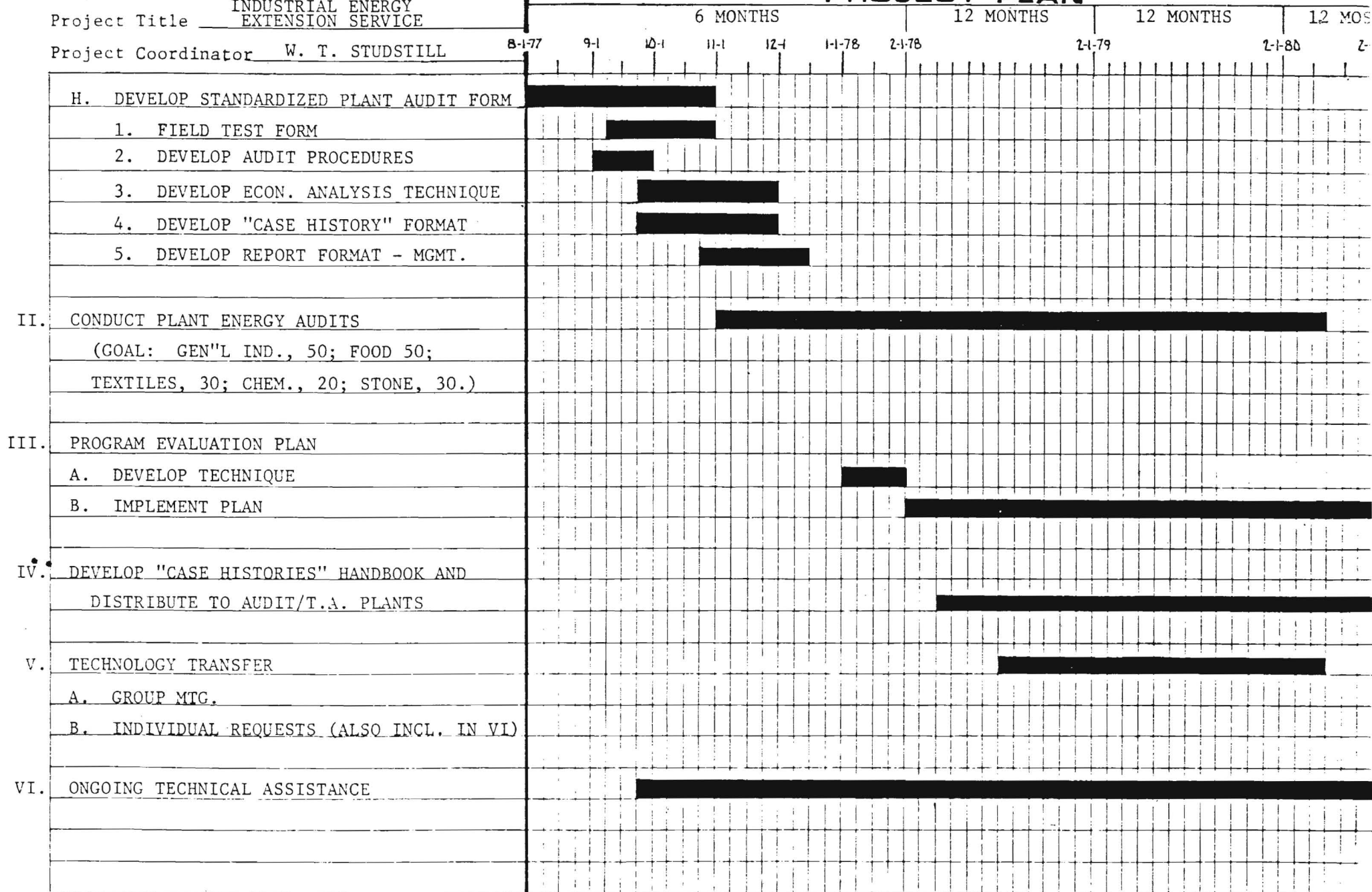


## LEGEND

Project No. A-2045

**PROJECT PLAN**Project Title INDUSTRIAL ENERGY  
EXTENSION SERVICE

Project Coordinator W. T. STUDSTILL

**LEGEND**



A-2045



## ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

November 4, 1977

Georgia Office of Energy Resources  
Trinity-Washington Building  
270 Washington Street  
Atlanta, Georgia 30334

Attn: Mr. Ed Bistany

Subject: Industrial Energy Extension Program  
Monthly Progress Summary Report for  
EES/GIT Research Project A-2045 for  
Period 1 October 1977 through  
31 October 1977

Dear Mr. Bistany:

This summarizes activities on Research Project A-2045 for the period 1 October 1977 through 31 October 1977.

### Activities of October

1. Problems encountered: There has been a delay in receiving approval for promotional materials (brochure and mail-out letters). This has been due to busy schedules by both parties. The delay has resulted in postponing contacting industries to set-up plant visit appointments.
2. Comparison to Project Plan: The project is on schedule except for promotional materials (Tasks I-G4 and I-G6). These tasks are approximately one to two weeks behind schedule. Tasks completed were:
  - \* Literature search (I-A)
  - \* Train auditors (I-E)
  - \* Contact of Professional Engineering groups (I-G2)
  - \* Plant audit form (I-H)
3. Reasons for schedule slippage: Delay in promotional tasks (news releases, brochures, mail-out letters).
4. Other activities:
  - \* Contacts made with D.O.E. to identify other energy conservation funding sources.
  - \* Several contacts made with private consulting engineers and utility representatives.
  - \* Worked on budget for next 12-month project period.
  - \* Developed form for use in documenting requests for technical assistance.

## 5. Statistics by groups:

	<u>General</u>	<u>Food</u>	<u>Chemical</u>	<u>Textiles</u>	<u>Stone</u>
No. of Ind. contacted	2	2	0	1	1
No. of Trade Assn. contacted	0	3	1	2	1
No. of unsolicited industry requests for assistance	2	0	0	1	1
Expenditures for September (\$)	9,429	3,076	1,685	725	1,222

Note: Expenditures do not include academic charges - this total will appear next month.

Plans for November

1. Brochure and mail-out letters are expected in early November.
2. Slide presentation will be completed.
3. Auditor's handbook will be completed in early November.
4. Work will be initiated to develop program evaluation plan.
5. Case history format will be developed.
6. Goals for November as to number of audit plant visits are:

General	<u>4</u>
Food	<u>4</u>
Chemical	<u>2</u>
Textiles	<u>2</u>
Stone, Clay, Glass	<u>3</u>

Respectively submitted,

William T. Studstill  
Program Coordinator

WTS/rm

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R. L. Yobs  
Laboratory Director

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J. L. Birchfield  
Division Chief



## ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

December 5, 1977

Georgia Office of Energy Resources  
Trinity-Washington Building  
270 Washington Street  
Atlanta, Georgia 30334

Attn: Mr. Ed Bistany

Subject: Industrial Energy Extension Program  
Monthly Progress Summary Report for  
EES/GIT Research Project A-2045 for  
Period 1 November 1977 through  
30 November 1977

Dear Mr. Bistany:

This summarizes activities on Research Project A-2045 for the period  
1 November 1977 through 30 November 1977.

Activities of November

1. Problems encountered: The delay in receiving your approval for promotional materials that was reported last month caused a delay this month in setting-up plant visits. Some plants are requiring that we sign non-disclosure and personal injury liability waivers before they allow us into their plants. We are in the process of developing a non-disclosure clause now, but our legal advisor will not allow us to sign a liability waiver. This has only affected one of our planned plant visits.
2. Comparison to Project Plan: We are one month behind schedule with our letter mail-outs to industry (Task G-4). We were about two weeks late in beginning our plant audits (Task II). As you directed, we have postponed our news releases (Tasks G-5 and G-9). Tasks completed this period were:
  - .Audit handbooks (I-D)
  - .List of consultants (G-3)
  - .Program brochures (G-6)
  - .Slide presentation (G-7)
3. Reason for schedule slippage: Primarily due to delay in producing promotional materials as reported last month.
4. Other activities:
  - .Began energy audits and providing technical assistance to industry.
  - .Program presentations made to 4 APDC's and at a meeting conducted by the American Management Association.
  - .Representatives from several consulting engineering firms and utilities visited office to discuss how they could cooperate in the program.
  - .Governor's letter mailed to approximately 2400 industries.



## 5. Statistics by groups:

	<u>General</u>	<u>Food</u>	<u>Chemical</u>	<u>Textiles</u>	<u>Stone</u>
No. of Ind. contacted	22	3	1	5	7
No. of Trade Assn. contacted	1	1	0	2	2
No. of unsolicited industry requests for assistance	1	1	0	2	0
Expenditures for October (\$)	14,773	4,904	3,675	3,314	4,121

Plans for December

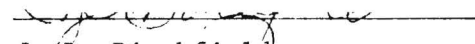
1. 15 plant visits scheduled
2. Complete 3 audit reports.
3. Produce initial newsletter.
4. Develop audit report to industry format.

Respectively submitted,

William T. Studstill  
Program Coordinator

WTS/rm

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J.L. Birchfield  
Division Chief

DATE December 9, 1977EXHIBIT C  
FINANCIAL STATEMENT AND INVOICE NO. 3CONTRACTOR: GEORGIA TECH RESEARCH INSTITUTEMONTH: 11/1/77 - 11/30/77

OBJECT CLASS CATEGORIES	CURRENT MONTH	TOTALS TO-DATE
I. Personnel	<u>20,372.90</u>	<u>50,437.72</u>
II. Fringe Benefits	<u>1,713.09</u>	<u>2,771.80</u>
III. Travel*	<u>690.06</u>	<u>1,333.23</u>
IV. Publications	<u>--</u>	<u>--</u>
V. Overhead	<u>13,135.58</u>	<u>33,579.64</u>
VI. Materials and Supplies	<u>1,189.68</u>	<u>1,751.91</u>
VII. Other	<u>--</u>	<u>--</u>

Amount Requested for  
Reimbursement this  
Month\$37,101.31

Total Expenditures To-Date

\$89,874.30\*Supporting documentation required, to include at  
least an itemized listing of costs submitted.Attached

I certify that the above statement of services rendered, having been compiled from bonafide time, salary and overhead cost records maintained by the Engineering Experiment Station is true and correct to the best of my knowledge and belief; and that reimbursement for the particular services and products indicated above has not been received.

B. H. AtchesonTitle: Manager, Accounting & BudgetsREVIEWED, OFFICE OF PLANNING AND BUDGET:

Energy Resources - by \_\_\_\_\_ Date \_\_\_\_\_

Administrative Office - by \_\_\_\_\_ Date \_\_\_\_\_

Travel detail:

AMOUNT

260.66

29.26

80.87

89.97

26.30

103.50

99.50

\$ 690.06

A-2045

# ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

January 6, 1978

Georgia Office of Energy Resources  
Trinity-Washington Building  
270 Washington Street  
Atlanta, Georgia 30334

Subject: Industrial Energy Extension Program  
Monthly Progress Summary Report for  
EES/GIT Research Project A-2045 for  
Period 1 December 1977 through  
31 December 1977

Dear Mr. Bistany:

This summarizes activities on Research Project A-2045 for the period  
1 December 1977 through 31 December 1977.

## Activities of December

1. Problems encountered: Some delays were encountered in conducting plant visits due to plants' interruption of production schedules due to holidays. Several of the chemical plants are resisting supplying data for the audit form. Technical assistance can be provided but the number of audits may have to be reduced for this group. The excellent response to our letter mailouts has made it difficult to honor previous requests for technical assistance and plant audits. The need for instruments is delaying us in our evaluation and recommendations to industry.
2. Comparison to Project Plan: We are about two months behind schedule with our newsletter (Task G-8). The initial newsletter will be mailed the first week in January. Plans are to begin our Technology Transfer, Group Meetings (Task V-A) about 6 months ahead of schedule. The first seminar is planned for January 31. We are about one month behind schedule with our plant audits and technical assistance.
3. Reason for schedule slippage: This slippage is due to the delay in printing the newsletter and the previously reported delays in getting out our mailout letters (Task G-4). The previously reported delay in producing promotional materials and the lack of instruments for collecting data have caused the delay in conducting plant audits and providing technical assistance. Also, the large number of requests we have received has caused a delay in handling our earlier technical assistance requests.

## 4. Other activities

- .Industry mailout letter promoting program was sent to approximately 2400 industries. This was a follow-up item to the Governor's letter over my signature. The response from industry for assistance has been very heavy.
- .Program logo was finalized.
- .A technical information flyer, "Energy Conservation Tips," masthead has been developed. This item will promote conservation ideas through technical information transfer by mail. They will also be used in our future handbook.
- .Our initial newsletter has been published and it is in the process of being mailed.
- .Presented program to GBIA Energy Task Force meeting.
- .Staff member attended the Boiler Efficiency Improvement Training Seminar on December 7, 8, and 9 in Chicago.
- .Several contacts made with consulting engineers, equipment manufacturers, suppliers and contractors in program promotion.
- .Two plant audit final reports were completed during the month.
- .Staff member attended D.O.E. sponsored seminar on "Non-Residential Applications of Solar Energy".

## 5. Statistics by groups:

	<u>General</u>	<u>Food</u>	<u>Chemical</u>	<u>Textiles</u>	<u>Stone</u>
No. of Ind. contacted	17	7	6	13	5
No. of Trade Assn. contacted	2	3	0	0	1
No. of unsolicited industry requests for assistance	5	5	2	6	3
Expenditures for November (\$)	13,374	5,278	9,279	2,691	4,003

Also, 2400 mailout letters were sent to industries.

Plans for January

1. Honor the many requests from industry for technical assistance.
2. Complete written audit and technical assistance reports to industry to assure a maximum 2-month response time.
3. Conduct boilerhouse seminar for carpet industries on January 31.
4. Produce and mail first publication of "Energy Conservation Tips".

Respectfully submitted,

William T. Studstill  
Program Coordinator

WTS/rem

J. L. Birchfield  
Division Chief

EXHIBIT C  
FINANCIAL STATEMENT AND INVOICE NO. 4CONTRACTOR: GEORGIA TECH RESEARCH INSTITUTEMONTH: 12/1/77 - 12/31/77

OBJECT CLASS CATEGORIES	CURRENT MONTH	TOTALS TO-DATE
I. Personnel	<u>27,191.58</u>	<u>77,629.30</u>
II. Fringe Benefits	<u>1,943.45</u>	<u>4,715.25</u>
III. Travel*	<u>1,379.49</u>	<u>2,712.72</u>
IV. Publications	<u>--</u>	<u>--</u>
V. Overhead	<u>18,490.27</u>	<u>52,069.91</u>
VI. Materials and Supplies	<u>373.54</u>	<u>2,125.45</u>
VII. Other	<u>--</u>	<u>--</u>
Amount Requested for Reimbursement this Month	<u>49,378.33</u>	

Total Expenditures To-Date 139,252.63

\*Supporting documentation required, to include at least an itemized listing of costs submitted.

Attached

I certify that the above statement of services rendered, having been compiled from bonafide time, salary and overhead cost records maintained by the Engineering Experiment Station is true and correct to the best of my knowledge and belief; and that reimbursement for the particular services and products indicated above has not been received.

B. H. AtchesonTitle: Manager, Accounting & BudgetsREVIEWED, OFFICE OF PLANNING AND BUDGET:

Energy Resources - by \_\_\_\_\_ Date \_\_\_\_\_

Administrative Office - by \_\_\_\_\_ Date \_\_\_\_\_

A-2045 - Supplement

Travel detail:

<u>NAME</u>	<u>LOCATION</u>	<u>AMOUNT</u>
J. T. Sommerfeld	Chicago, Ill	289.04
J. T. Sommerfeld	Cartersville, GA	14.55
D. S. Brookstein	Savannah, GA	185.60
B. S. Moron	Santa Ana, Calif.	603.81
W. T. Studstill	Griffin, GA	19.44
D. W. Wade	Chicago, Ill.	162.16
W. A. Hendrix	Dalton, GA	4.00
W. A. Hendrix	Cartersville, GA	3.00
G. Soora	Carrollton, Rome, Dalton, and Milledgeville, GA	61.64
G. Soora	Milledgeville, GA	36.25
TOTAL		\$ 1,379.49



A-2045

# ENGINEERING EXPERIMENT STATION

GEORGIA INSTITUTE OF TECHNOLOGY • ATLANTA, GEORGIA 30332

February 7, 1978

Georgia Office of Energy Resources  
Trinity-Washington Building  
270 Washington Street  
Atlanta, Georgia 30334

Subject: Industrial Energy Extension Program  
Monthly Progress Summary Report for  
EES/GIT Research Project A-2045 for  
Period 1 January 1978 through  
31 January 1978

Dear Mr. Bistany:

This summarizes activities on Research Project A-2045 for the period  
1 January 1978 through 31 January 1978.

## Activities of January

1. Problems encountered: Some delays have been encountered in conducting plant visits and supplying reports to industry due to a temporary personnel shortage and the weather. Some delay also attributable to lack of instrumentation to measure energy flows in plants.
2. Comparison to Project Plan: All tasks are on schedule except Program Education Plan (Task III). We will begin developing this plan this month.
3. Reason for schedule slippage: Task III delayed approximately one month to gain more experience in project operation, and because first funding phase was extended one month.
4. Other activities:
  - . The initial "Energy Conservation Tips", a flyer on suggestions to stimulate industrial energy conservation, was developed this period. This technology transfer item will be supplied to industry through the mail and during plant visits.
  - . A presentation, "Energy Conservation in Bottling Plants" was given to a group of Coca-Cola bottling plant managers.
  - . A seminar, "Energy Efficiency in Boiler House Operations", was conducted in Dalton for the Carpet and Rug Institute. The complete seminar content was prepared and presented by the project staff to 46 industrial representatives.
  - . Slide presentations on the Industrial Energy Extension Service were presented to the Delta Sigma Phi Professional Business Fraternity (35 attendees) and at the "Energy Update for Planners and Developers Workshop" (35 APDC representatives in attendance).

- . Our first newsletter, "Industrial Energy Conserver" was printed and mailed to 2800 recipients including industry, trade associations, consulting engineers and others.

5. Statistics by groups:

	<u>General</u>	<u>Food</u>	<u>Chemical</u>	<u>Textiles</u>	<u>Stone</u>
No. of ind. contacted	11	5	4	4	5
No. of trade assns. contacted	0	2	0	1	1
No. of unsolicited industry requests for assistance	11	3	2	3	1
Expenditures for December (\$)	12,739	6,514	7,390	9,895	7,609

Plans for February

1. Complete recommendations to plants previously visited.
2. Handle technical assistance and plant survey requests as they can be scheduled.
3. Prepare for seminar, "Energy Conservation with Dyehouse Operations," for the Carpet and Rug Institute scheduled for March 1.
4. Develop a project evaluation plan.

Respectfully submitted,

*rem*  
William T. Studstill  
Program Coordinator

*J. L. Birchfield*  
J. L. Birchfield  
Division Chief

WTS/rem

EXHIBIT C  
FINANCIAL STATEMENT AND INVOICE NO. 6CONTRACTOR: GEORGIA TECH RESEARCH INSTITUTEMONTH: 1/1/78 - 1/31/78

OBJECT CLASS CATEGORIES	CURRENT MONTH	TOTALS TO-DATE
I. Personnel	<u>26,276.98</u>	<u>103,906.28</u>
II. Fringe Benefits	<u>1,932.12</u>	<u>6,647.37</u>
III. Travel*	<u>1,840.11</u>	<u>4,552.83</u>
IV. Publications	<u>--</u>	<u>--</u>
V. Overhead	<u>17,868.34</u>	<u>69,938.25</u>
VI. Materials and Supplies	<u>1,914.62</u>	<u>4,040.07</u>
VII. Other	<u>--</u>	<u>--</u>

Amount Requested for  
Reimbursement this  
Month49,832.17

total Expenditures To-Date

189,084.80\*Supporting documentation required, to include at  
least an itemized listing of costs submitted.Attached

I certify that the above statement of services rendered, having been compiled from bonafide time, salary and overhead cost records maintained by the Engineering Experiment Station is true and correct to the best of my knowledge and belief; and that reimbursement for the particular services and products indicated above has not been received.

B. H. AtchesonTitle: Manager, Accounting & BudgetsREVIEWED, OFFICE OF PLANNING AND BUDGET:

Energy Resources - by \_\_\_\_\_

Date \_\_\_\_\_

Administrative Office - by \_\_\_\_\_

Date \_\_\_\_\_

## Travel detail:

<u>NAME</u>	<u>LOCATION</u>	<u>AMOUNT</u>
<u>J. D. Muzzy</u>	<u>Cartersville &amp; Covington, GA</u>	<u>16.85</u>
<u>J. T. Sommerfield</u>	<u>Augusta, GA</u>	<u>116.66</u>
<u>F. L. Cook</u>	<u>Thomaston, GA</u>	<u>15.70</u>
<u>W. C. Tincher</u>	<u>Raleigh, NC</u>	<u>180.27</u>
<u>W. T. Studstill</u>	<u>Augusta, Wadley, GA</u>	<u>59.63</u>
<u>W. T. Studstill</u>	<u>Metter, Vidalia, GA</u>	<u>90.02</u>
<u>W. T. Studstill</u>	<u>Bremen, McDonough, GA</u>	<u>40.11</u>
<u>W. T. Studstill</u>	<u>Monroe, Buford, GA</u>	<u>34.74</u>
<u>W. A. Hendrix</u>	<u>Dalton, ForestPark, Aug- usta, GA</u>	<u>156.65</u>
<u>W. A. Hendrix</u>	<u>Chicago, Ill.</u>	<u>142.21</u>
<u>W. A. Hendrix</u>	<u>Chicago, Ill.</u>	<u>142.22</u>
<u>D. B. Curtis</u>	<u>Dalton, GA</u>	<u>36.50</u>
<u>M. G. Smith</u>	<u>Metter, Vidalia, GA</u>	<u>23.22</u>
<u>G. Soora</u>	<u>Rockmart, GA</u>	<u>20.59</u>
<u>G. Soora</u>	<u>McIntyre, Savannah &amp; Brunswick, GA</u>	<u>130.44</u>
<u>D. W. Wade</u>	<u>Wadley, Franklin, Dalton, GA</u>	<u>55.06</u>
<u>D. W. Wade</u>	<u>Union Point, Peachtree City, &amp; Rome, GA</u>	<u>63.21</u>
<u>D. W. Wade</u>	<u>Dalton, Macon, GA</u>	<u>60.60</u>
<u>W. G. Moran</u>	<u>Chamblee, Toccoa, Rockmart, GA</u>	<u>56.93</u>
<u>W. G. Moran</u>	<u>Rockmart, Milledgeville, GA</u>	<u>111.20</u>
<u>W. G. Moran</u>	<u>Brunswick, GA</u>	<u>158.50</u>
<u>L. J. Moriarty</u>	<u>Cartersville, Covington, Toccoa, GA</u>	<u>107.80</u>
<u>J. L. Birchfield</u>	<u>Washington, D.C.</u>	<u>21.00</u>

Total - 1,840.11